

# Outline of tsprogram File Functions

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## 1 Save

### 1.1 Determine if file has been named

#### 1.1.1 if not send to name()

### 1.2 Determine if group has been named

#### 1.2.1 if not name group = 'file name'

### 1.3 Determine if group name is unique

#### 1.3.1 search .grp manifest for group ID

#### 1.3.2 if already exists prompt for a new name and store

### 1.4 Determine if file is a group target

#### 1.4.1 if yes then

1. Determine if group already has a target file
  - (a) if yes then ask if it should be replaced
    - i. if no then exit save()
2. Set local flag to indicate this is target

### 1.5 Prepare data set for writing out

#### 1.5.1 stored in array

1. first three elements -> name, modified, ref Y/N
2. Next elements are tsp parameter names and values
3. Last element is a blank line

- 1.6 Open file
- 1.7 Check to see if file size plus pending data will exceed limit
  - 1.7.1 If so display error and exit back to main()
  - 1.7.2 If not continue
- 1.8 If target flag is set then re-write file replacing any "ref: Y" with "ref: N"
- 1.9 Search through .grp file to find alphabetic insert point
  - 1.9.1 If found start caching existing file lines and writing out data
    - 1. When data write is finished append a blank line
    - 2. Write out the cached data appended below the blank line
  - 1.9.2 If not found append data to end of file
- 1.10 close file